

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Wyle on February 09, 2009.

The application has been amended as follows:

Claim 8 has been cancelled.

Claim 21 has been cancelled.

Claim 1 has been replaced with:

A tap water temperature sensing type of light emitting apparatus, comprising:

a power source (15) having a generator (10) having a magnetic turbine (11) disposed at a tap end portion, where water comes out and a coil (13) fixed around the magnetic turbine (11) with a result that the magnetic turbine (11) is rotated as the water drops from the tap end portion, thereby generating alternating current, and a rectifier (20) adapted to transform the alternating current generating from the generator (10) to direct current;

a control unit (30) for sensing opening/closing state of the tap tube to control the power source (15) such that if the tap tube is opened, the power source (15) is enabled and if the tap tube is closed, the power source (15) is stopped;

a sensing unit (40), powered by the power source (15), disposed around a portion where hot water and cool water meet for sensing the temperature of water in a tap tube; and

a light emitting unit (50) powered by the power source (15), which includes at least two light emitting diodes, for producing different color lights in accordance with the water temperature read in the sensing unit (40); and wherein:

said sensing unit (40) comprises:

a common electrode (k2) extended to a portion where hot water and cool water meet in the tap tube at one end thereof and connected to power at the other end thereof, and first and second electrodes (k1 and k3) placed at left and right sides of the common electrode (k2) in such a manner as to be submerged partially in the tap water; and

the light emitting unit (50) comprises:
a high temperature driver (57) connected to an end of the first electrode (k1) that is not submerged in the tap water,
a low temperature driver (55) connected to an end of the second electrode (k3) that is not submerged in the tap water,
a high temperature light emitting element connected to the high temperature driver (57) for emitting a light when the tap water is more than a predetermined temperature (T2), and
a low temperature light emitting element connected to the low temperature driver (55) for emitting a light when the tap water is less than a predetermined temperature (T1).

Claim 9: "to claim 8" in line 2 has been replaced with –to claim 1–,

Claim 10: "claim 8" in line 2 has been replaced with –claim 1–,

Claim 11: "claim 8" in line 2 has been replaced with –claim 1–.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art cited in the PTO-892 and not mentioned above disclose related devices and methods.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gail Verbitsky whose telephone number is 571/ 272-2253. The examiner can normally be reached on 7:30 to 4:00 ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on 571/ 272-2180. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Gail Verbitsky
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February 09, 2009

/Gail Verbitsky/
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